

Author Index

- Akin, D.E., see Himmelsbach, D.S. 361
- Aluas, M., see Cinta, S. 329
- Andrushchenko, V.V.
—, Van de Sande, J.H. and Wieser, H.
Interaction of deoxyribo-oligonucleotides with divalent manganese ions: comparison of vibrational circular dichroism and absorption spectroscopy 341
- Arenas, J.F.
—, López Tocón, I., Otero, J.C. and Marcos, J.I.
The charge transfer mechanism in the SERS of 2-methylpyrazine on silver electrode 213
- Assa, J., see Karamancheva, I. 369
- Baumruk, V., see Leulliot, N. 335
- Bok, J., see Procházka, M. 233
- Braiman, M.S., see Hutson, M.S. 379
- Brantley, N.H., see Kazarian, S.G. 277
- Chazalviel, J.-N., see Maroun, F. 193
- Chmelová, K.
—, Štěpánek, J. and Zachová, J.
Polarized Raman study of the low-symmetry molecular crystals: 9-methyladenine:1-methylthymine complex 255
- Church, J.S.
— and O'Neill, J.A.
The detection of polymeric contaminants in loose scoured wool 285
- Cinta, S.
—, Morari, C., Vogel, E., Maniu, D., Aluas, M., Iliescu, T., Cozar, O. and Kiefer, W.
Vibrational studies of B₆ vitamin 329
- Cinta, S.
—, Venter, M., Iliescu, T., Cozar, O., Haiduc, I. and Kiefer, W.
SERS application in elucidation of the nature of homologue Cu(I) triazenido complexes 223
- Cozar, O., see Cinta, S. 223
- Cozar, O., see Cinta, S. 329
- Danev, G., see Karamancheva, I. 369
- Decker, U., see Scherzer, T. 385
- De Groot, H.J.M., see Egorova-Zachernyuk, T.A. 347
- DeVerse, R.A.
—, Hammaker, R.M. and Fateley, W.G.
Hadamard transform Raman imagery with a digital micro-mirror array 177
- Diesing, D., see Futamata, M. 187
- Dunkel, H.H., see Hobert, H. 205
- Eckert, C.A., see Kazarian, S.G. 277
- Egorova-Zachernyuk, T.A.
—, Remy, A., Shkuropatov, A.Ya., Gast, P., Hoff, A.J., Gerwert, K. and De Groot, H.J.M.
Efficient conditions for the photoaccumulation of H_A⁻ in the photosynthetic reaction centre of *Rhodobacter sphaeroides* R26 with uniformly labelled bacteriopheophytin monitored by Fourier transform infrared difference spectroscopy 347
- Fateley, W.G., see DeVerse, R.A. 177
- Fomina, M., see Grube, M. 301
- Furukawa, M., see Iida, Y. 399
- Futamata, M.
— and Diesing, D.
Adsorbed state of pyridine, uracil and water on gold electrode surfaces 187
- Gapes, J.R., see Schuster, K.C. 467
- Gast, P., see Egorova-Zachernyuk, T.A. 347
- Gerwert, K., see Egorova-Zachernyuk, T.A. 347
- Gerzabek, M.H., see Haberhauer, G. 413
- Ghomie, M., see Leulliot, N. 335
- Gómez, M.F.
—, Rascón, A.N., Ruiz, T.P. and Liencres, M.P.F.
Vibrational analysis of precursors of compounds of biomedical interest 1. The case of 5-fluoro-1-indanone 441
- Gouyette, C., see Leulliot, N. 335
- Grählert, W.
—, Leupolt, B. and Hopfe, V.
Optical modelling vs. FTIR reflectance microscopy: characterization of laser treated ceramic fibres 353

- Gromozova, E., see Grube, M. 301
- Grube, M.
—, Zagreba, E., Gromozova, E. and Fomina, M.
- Comparative investigation of the macromolecular composition of mycelia forms *Thielavia terrestris* by infrared spectroscopy 301
- Guelachvili, G., see Picqué, N. 295
- Haberhauer, G.
— and Gerzabek, M.H.
- Drift and transmission FT-IR spectroscopy of forest soils: an approach to determine decomposition processes of forest litter 413
- Haiduc, I., see Cinta, S. 223
- Halttunen, M.
—, Tenhunen, J., Saarinen, T. and Stenius, P.
- Applicability of FTIR/PAS depth profiling for the study of coated papers 261
- Hammaker, R.M., see DeVerse, R.A. 177
- Handke, M.
—, Rokita, M. and Mozgawa, W.
- Spectroscopic studies of $\text{SiO}_2\text{-AlPO}_4$ solid solutions 419
- Hasegawa, T.
—, Kobayashi, Y., Nishijo, J. and Umemura, J.
- The effect of surface roughness on infrared external reflection spectroscopy 199
- Heremans, K., see Smeller, L. 375
- Himmelsbach, D.S.
—, Khahili, S. and Akin, D.E.
- Near-infrared-Fourier-transform-Raman microspectroscopic imaging of flax stems 361
- Hobert, H.
—, Dunken, H.H., Meinschien, J. and Stafast, H.
- Infrared and Raman spectroscopic investigation of thin films of AlN and SiC on Si substrates 205
- Hoff, A.J., see Egorova-Zachernyuk, T.A. 347
- Hopfe, V., see Grählert, W. 353
- Hutson, M.S.
— and Braiman, M.S.
- Application of doubled-angle phase correction method to time-resolved step-scan FT-IR spectra 379
- Huynh-Dinh, T., see Leulliot, N. 335
- Iida, Y.
—, Towata, A., Tsugoshi, T. and Furukawa, M.
- In situ Raman monitoring of low-temperature synthesis of YAG from different starting materials 399
- Ilieșcu, T., see Cinta, S. 223
- Ilieșcu, T., see Cinta, S. 329
- Ivanovski, V.
—, Petruševski, V.M. and Šoptrajanov, B.
- Vibrational spectra of hexaaqua complexes. IX. Reflection infrared spectra, optical constants and longitudinal optical phonon-transversal optical phonon splitting in some alums 425
- Kalinkova, G.N.
Infrared spectroscopy in pharmacy 307
- Karamancheva, I.
—, Stefov, V., Šoptrajanov, B., Danev, G., Spasova, E. and Assa, J.
- FTIR spectroscopy and FTIR microscopy of vacuum-evaporated polyimide thin films 369
- Kazarian, S.G.
—, Brantley, N.H. and Eckert, C.A.
- Applications of vibrational spectroscopy to characterize poly(ethylene terephthalate) processed with supercritical CO_2 277
- Khahili, S., see Himmelsbach, D.S. 361
- Kiefer, W., see Cinta, S. 223
- Kiefer, W., see Cinta, S. 329
- Kobayashi, Y., see Hasegawa, T. 199
- Kuzmanovski, I.
—, Trpkovska, M., Šoptrajanov, B. and Stefov, V.
- Target-testing factor analysis of Fourier transform infrared spectra as a tool for the determination of the composition of human urinary calculi 249
- Leulliot, N.
—, Baumruk, V., Gouyette, C., Huynh-Dinh, T., Turpin, P.-Y. and Ghomi, M.
- Aqueous phase structural features of GNRA tetraloops formed in short hairpins as evidenced by UV absorption and Raman spectroscopy 335
- Leupolt, B., see Grählert, W. 353
- Liñeres, M.P.F., see Gómez, M.F. 441
- Löbau, J., see Pohle, W. 321
- López Tocón, I., see Arenas, J.F. 213
- Maniu, D., see Cinta, S. 329
- Marcos, J.I., see Arenas, J.F. 213
- Marcott, C., see Noda, I. 461
- Maroun, F.
—, Ozanam, F., Chazalviel, J.-N. and Theiß, W.
- In situ infrared investigation of metals electrodeposited for SEIRAS 193
- Meinschien, J., see Hobert, H. 205
- Mertens, F., see Schuster, K.C. 467
- Michl, M.
—, Vlčková, B. and Mojzeš, P.
- Ag colloid-ethanethiol films: spacer-modified substrates for surface-enhanced resonance Raman scattering spectroscopy of chromophoric molecules 239
- Mojzeš, P., see Michl, M. 239
- Mojzeš, P., see Šmejkal, P. 243
- Morari, C., see Cinta, S. 329
- Mozgawa, W., see Handke, M. 419
- Muniz-Miranda, M.
SERS investigation on five-membered heterocyclic compounds: isoxazole, oxazole and thiazole 227
- Nishijo, J., see Hasegawa, T. 199
- Noda, I.
—, Story, G.M. and Marcott, C.
- Pressure-induced transitions of polyethylene studied by two-dimensional infrared correlation spectroscopy 461

- O'Neill, J.A., see Church, J.S. 285
- Ortelli, E.E.
— and Wokaun, A.
Use of periodic variations of reactant concentrations in time resolved FTIR studies of heterogeneously catalysed reactions 451
- Otero, J.C., see Arenas, J.F. 213
- Ozanam, F., see Maroun, F. 193
- Pejov, L.
—, Stefov, V. and Šoptrajanov, B.
DFT computational and experimental study of indole continuum solvation 435
- Penchev, P.N., see Varmuza, K. 407
- Petruševski, V.M., see Ivanovski, V. 425
- Pfleger, J., see Šmejkal, P. 243
- Picqué, N.
— and Guelachvili, G.
ArH⁺ near 5 μm with high resolution double modulation FTS 295
- Pohle, W.
—, Saβ, M., Selle, C., Wolfrum, K. and Löbau, J.
Probing phospholipid chain fluidity by vibrational spectroscopy including sum-frequency generation 321
- Procházka, M.
—, Štěpánek, J., Turpin, P.-Y. and Bok, J.
Concentration dependent behavior of the free base porphyrins in Ag colloid/porphyrin SERS-active system studied via the metalation kinetics 233
- Procházka, M., see Šmejkal, P. 243
- Rascón, A.N., see Gómez, M.F. 441
- Remy, A., see Egorova-Zachernyuk, T.A. 347
- Rödig, C.
— and Siebert, F.
Monitoring fast reactions of slow cycling systems with time-resolved FTIR spectroscopy 271
- Rokita, M., see Handke, M. 419
- Ruiz, T.P., see Gómez, M.F. 441
- Saarinen, T., see Halattunen, M. 261
- Saβ, M., see Pohle, W. 321
- Scherzer, T.
— and Decker, U.
Real-time FTIR-ATR spectroscopy to study the kinetics of ultrafast photopolymerization reactions induced by monochromatic UV light 385
- Schuster, K.C.
—, Mertens, F. and Gapes, J.R.
FTIR spectroscopy applied to bacterial cells as a novel method for monitoring complex biotechnological processes 467
- Scsibrany, H., see Varmuza, K. 407
- Selle, C., see Pohle, W. 321
- Shkuropatov, A.Ya., see Egorova-Zachernyuk, T.A. 347
- Siebert, F., see Rödig, C. 271
- Šmejkal, P.
—, Vlčková, B., Procházka, M., Mojzeš, P. and Pfleger, J.
Testing anionic spacers by SERRS (surface-enhanced resonance Raman scattering) of a cationic free-base porphyrin in systems with laser-ablated Ag colloids 243
- Smeller, L.
— and Heremans, K.
2D FT-IR spectroscopy analysis of the pressure-induced changes in proteins 375
- Šoptrajanov, B., see Ivanovski, V. 425
- Šoptrajanov, B., see Karamancheva, I. 369
- Šoptrajanov, B., see Kuzmanovski, I. 249
- Šoptrajanov, B., see Pejov, L. 435
- Šoptrajanov, B., see Stefov, V. 431
- Spasova, E., see Karamancheva, I. 369
- Stafast, H., see Hobert, H. 205
- Stefov, V.
— and Šoptrajanov, B.
Fourier transform infrared study of the temperature-induced structural changes in diammonium diaquatetrabromocuprate(II) 431
- Stefov, V., see Karamancheva, I. 369
- Stefov, V., see Kuzmanovski, I. 249
- Stefov, V., see Pejov, L. 435
- Stenius, P., see Halattunen, M. 261
- Štěpánek, J., see Chmelová, K. 255
- Štěpánek, J., see Procházka, M. 233
- Story, G.M., see Noda, I. 461
- Tenhunen, J., see Halattunen, M. 261
- Theiß, W., see Maroun, F. 193
- Towata, A., see Iida, Y. 399
- Trpkovska, M., see Kuzmanovski, I. 249
- Tsugoshi, T., see Iida, Y. 399
- Turpin, P.-Y., see Leulliot, N. 335
- Turpin, P.-Y., see Procházka, M. 233
- Umemura, J., see Hasegawa, T. 199
- Van de Sande, J.H., see Andrushchenko, V.V. 341
- Varmuza, K.
—, Penchev, P.N. and Scsibrany, H.
Large and frequently occurring substructures in organic compounds obtained by library search of infrared spectra 407
- Venter, M., see Cinta, S. 223
- Vlčková, B., see Michl, M. 239
- Vlčková, B., see Šmejkal, P. 243
- Vogel, E., see Cinta, S. 329
- Wieser, H., see Andrushchenko, V.V. 341
- Wokaun, A., see Ortelli, E.E. 451
- Wolfrum, K., see Pohle, W. 321
- Zachová, J., see Chmelová, K. 255
- Zagreba, E., see Grube, M. 301

